

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| S1 | 109 | 372/38\$.ccls. and npn and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 10:32 |
| S4 | 1338 | laser and npn and npn and (detector or photodetector or photodiode or diode) and voltage and control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 10:35 |
| S3 | 1435 | laser and npn and npn and (detector or photodetector or photodiode or diode) and voltage | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 10:35 |
| S2 | 1533 | laser and npn and npn and (detector or photodetector or photodiode or diode) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 10:35 |
| S6 | 1187 | S4 not S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 10:36 |
| S5 | 151 | S4 and "372"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 10:36 |
| S7 | 266 | laser near2 diode. bstx. and npn and npn and (detector or photodetector or photodiode or diode) and voltage and control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 11:42 |

| | | | | | | |
|-----|------|--|---|----|----|---------------------|
| S9 | 1165 | laser and (pnp same npn) and (detector or photodetector or photodiode or diode) and voltage and control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 13:45 |
| S8 | 233 | laser near2 diode. bstx. and (pnp same npn) and (detector or photodetector or photodiode or diode) and voltage and control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/14 13:45 |
| S12 | 51 | S11 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:15 |
| S11 | 515 | laser near2 diode. bstx. and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and "372"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:15 |
| S10 | 2048 | laser near2 diode. bstx. and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:15 |
| S13 | 151 | S10 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:25 |

| | | | | | | |
|-----|-----|---|---|----|----|---------------------|
| S15 | 0 | laser near2 diode. bstx. and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:38 |
| S14 | 151 | laser near2 diode. bstx. and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:38 |
| S17 | 278 | laser near2 diode and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:39 |
| S16 | 64 | laser near2 diode (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/16 11:39 |
| S18 | 0 | laser near2 diode and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and pnp and npn | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/21 07:57 |

| | | | | | | |
|-----|-----|--|---|----|----|---------------------|
| S19 | 183 | laser near2 diode and (circuit near2 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/21 10:16 |
| S21 | 293 | laser and (circuit near2 second) and (detector or photodetector or photodiode or PD) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/21 10:19 |
| S20 | 520 | laser and (circuit near2 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/21 10:19 |
| S23 | 184 | S21 not S22 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/21 10:31 |
| S22 | 279 | laser near2 diode and (circuit near5 second) and (detector or photodetector or photodiode or diode) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/21 10:31 |
| S27 | 69 | S25 and S24 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 07:10 |

| | | | | | | |
|-----|-----|--|---|----|----|---------------------|
| S25 | 485 | 372/38.07.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 07:10 |
| S24 | 191 | 372/29.015.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 07:10 |
| S29 | 973 | (laser or (light near1 source) or LED or LD) and (circuit near2 second) and (detector or photodetector or photodiode or PD) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 15:28 |
| S28 | 475 | (laser or (light near1 source)) and (circuit near2 second) and (detector or photodetector or photodiode or PD) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 15:28 |
| S31 | 50 | (laser or (light near1 source) or LED or LD) and (circuit near2 second) and (detector or photodetector or photodiode or PD) and voltage and control\$4 | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 17:48 |

| | | | | | | |
|-----|-------|--|---|----|----|---------------------|
| S30 | 17407 | (laser or (light near1 source) or LED or LD) and (circuit near2 second) and (detector or photodetector or photodiode or PD) and voltage and control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/22 17:48 |
| S34 | 35 | S32 not S33 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 08:48 |
| S33 | 50 | (laser or (light near1 source) or LED or LD) and (circuit near2 second) and (detector or photodetector or photodiode or PD) and voltage and control\$4 | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 08:48 |
| S32 | 85 | (laser or (light near1 source) or LED or LD) and (circuit near2 second) and (detect \$3 or photodetector or photodiode or PD) and voltage and control\$4 | FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 08:48 |
| S35 | 1529 | (laser or (light near1 source) or LED or LD) and (circuit near2 second) and (detect \$3 or photodetector or photodiode or PD) and voltage and control\$4 and npn and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:11 |
| S37 | 2574 | S36 not S35 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:16 |

| | | | | | | |
|-----|-------|--|---|----|-----|---------------------|
| S36 | 4103 | (laser or (light near1 source) or LED or LD) and (detect\$3 or photodetector or photodiode or PD) and voltage and control\$4 and pnp and npn | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:16 |
| S38 | 62392 | (laser or (light near1 source) or LED or LD) and (detect\$3 or photodetector or photodiode or PD) and voltage and control\$4 and driver | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:32 |
| S39 | 14957 | (laser or (light near1 source) or LED or LD) and (detect\$3 or photodetector or photodiode or PD) and voltage and control\$4 and driver and resist\$5 and transistor and capacitor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:33 |
| S41 | 1 | ("6363044").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/23 09:38 |
| S40 | 1 | ("6363004").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/23 09:38 |
| S42 | 5 | ("4656350" "4713819" "4945243" "5355082" "5912578").PN. OR ("6363044").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/23 09:41 |
| S43 | 181 | (laser or (light near1 source) or LED or LD) and (detect\$3 or photodetector or photodiode or PD) and voltage and control\$4 and driver and resist\$5 and transistor and capacitor and "369"/ \$.cls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:43 |

| | | | | | | |
|-----|------|---|--|----|-----|------------------|
| S44 | 1518 | (laser or (light near1 source) or LED or LD) and (detect\$3 or photodetector or photodiode or PD) and voltage and control\$4 and driver and resist\$5 and transistor and capacitor and ("369"/\$.ccls. or "324"/\$.ccls. or "250"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:45 |
| S45 | 1790 | (laser or (light near1 source) or LED or LD) and (detect\$3 or photodetector or photodiode or PD) and voltage and control\$4 and driver and resist\$5 and transistor and capacitor and ("369"/\$.ccls. or "324"/\$.ccls. or "250"/\$.ccls. or "372"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 09:47 |
| S47 | 11 | ("4713819" "4733398" "4748632" "5040163" "5142544" "5355082" "5881081" "5884605").PN. OR ("6539036").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/23 09:56 |
| S46 | 1 | ("6539036").PN. | US-PGPUB; USPAT | OR | OFF | 2009/01/23 09:56 |
| S49 | 54 | (LEHR near2 STEFFEN) or (BRUNHEIM near2 RUDIGER).inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 10:01 |

| | | | | | | |
|-----|------|--|---|----|----|---------------------|
| S48 | 5 | (LEHR near2 STEFFEN) and (BRUNHEIM near2 RUDIGER).inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 10:01 |
| S51 | 12 | (VOGEL near2 PATRICK).inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/23 11:35 |
| S52 | 52 | ((VOGEL near2 PATRICK) or (LEHR near2 STEFFEN)).inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/26 10:54 |
| S53 | 1203 | 307/31,39.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/26 12:57 |

1/ 28/ 2009 6:45:53 PM

C:\Documents and Settings\dforde\My Documents\EAST\Workspaces\10759727.wsp